

CLAIMS

Please amend 1, 7, 8, 11 and 13 to read as shown below. A "marked up" version of these claims is included herewith.

A1 *pub 32*

~~1. A method, including steps of~~
~~repeatedly reviewing monitoring statistics regarding on-going operation of a file~~
~~server, said steps of reviewing being performed at least as often as a selected time period;~~
~~processing said monitoring statistics using a diagnostic software module, in~~
~~response to said steps of repeatedly reviewing;~~
~~whereby a result of said step of processing includes a diagnosis of a behavior of~~
~~said file server and entails cross-layer analysis of said monitoring statistics.~~

A2 *pub 32*

~~7. A method as in claim 6, wherein said usage profile includes information~~
~~regarding whether use of said file server includes usage as an ISP, a development environment,~~
~~or a mail server.~~

~~8. A method, including steps of~~
~~selecting a set of parameters for a first communication protocol;~~
~~attempting to communicate, between a point inside a file server and a point~~
~~outside said file server, using a second communication protocol, said second communication~~
~~protocol making use of said first communication protocol;~~
~~reviewing a result of said steps of attempting to communicate; and~~
~~altering said set of parameters, in response to a result of said steps of reviewing~~

#2/ Pub 82
 wherein said steps of reviewing and altering are performed repeatedly so as to try a large number of combinations of protocol parameters in a system of automatic error detection and diagnosis of file servers.

#3/ Pub 82
 11. A method as in claim 8, wherein said steps of attempting to communicate are performed using at least one hundred differing configurations of said set of parameters.

#4/ Pub 82
 13. A method, including steps of tracking configuration changes to a file server; relating changes in known monitoring statistics to timing of said configuration changes; and determining, in response to said steps of tracking and of relating, a configuration change most likely to be responsible for an error or other failure in said file server.

REMARKS

Claims 1 – 15 are in the application, with claims 1, 7, 8, 11 and 13 having been amended. Claims 1, 8, 12 and 13 are the independent claims herein. Reconsideration and further examination are respectfully requested.